

8-21-06

AFS 207,529

JFW



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT : SHIOTA, Takashi

SERIAL NO. : 10/574,700

FILED : April 3, 2006

EXAMINER : Not Yet Assigned

ART UNIT : Not Yet Assigned

FOR : ELECTRIC POWER GENERATING APPARATUS FOR
DECENTRALIZED POWER SUPPLY

"Express Mail" mailing label No.	ER 059 676 096 US
Date of Deposit:	August 18, 2006
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Name:	J. David Dainow
Signature:	

August 18, 2006

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

This supplements the Information Disclosure Statement we filed on 10 August 2006, copy enclosed.

In regard to the prior art disclosure JP-39-25502Y1 listed in PTO/SB/08a of our Information Disclosure Statement dated 10 August 2006, we now submit an English language abstract.

Respectfully submitted,

ABELMAN, FRAYNE & SCHWAB

J. David Dainow
Attorney for Applicant
Registration No. 22,959

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This Information Disclosure Statement (hereinafter sometimes referred to as "IDS") is submitted in accordance with 37 C.F.R. §§1.97,1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

1. This IDS should be considered, in accordance with 37 C.F.R. §1.97, as it is filed:

☐ A. within three months of the filing date of the above-identified national application or within three months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in the above-identified international application.

☒ B. before the mailing date of a first office action on the merits.

☐ C. after the times set forth in (A) and (B) above, but before the mailing date of either a final action under 37 C.F.R. §1.113 or a notice of allowance under 37 C.F.R. §1.311, and the necessary statement pursuant to 37 C.F.R. §1.97(e) appears below (see box "i") or the necessary fee is enclosed (see box "ii" below).

(check one of the boxes opposite "i" or "ii" below)

☐ i. (check the applicable statement)

☐ I, the undersigned, hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

☐ I, the undersigned, hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

☐ ii. A check for the fee set forth in 37 C.F.R. §1.17(p), presently believed to be \$180.00, is enclosed.

☐ D. after the times set forth in (A), (B), and (C) above, but before payment of the issue fee, since Applicant petitions for the consideration of this Information Disclosure Statement by a petition enclosed herewith pursuant to 37 C.F.R. §1.97(d)(2), a check for the petition fee set forth in 37 C.F.R. §1.17(i), presently believed to be \$ 130.00, is enclosed, and the necessary statement pursuant to 37 C.F.R. §1.97(e) appears below:

(check the applicable statement)

☐ I, the undersigned, hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

☐ I, the undersigned, hereby state that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

2. In accordance with 37 C.F.R. §1.98(a)(1), this IDS includes a list on form PTO-1449 of all patents, publications, or other information submitted for consideration by the Office, incorporated into this IDS as an attachment hereto. Pursuant to 37 C.F.R. §1.98(b): (i) each U.S. patent listed is identified by patentee, patent number, and issue date; (ii) each foreign patent or published foreign patent application is identified by the country or patent office which issued the patent or published the application, an appropriate document number, and the publication date indicated on the patent or published application; and (iii) each publication is identified by author (if any), title, relevant pages of the publication, date, and place of publication. A legible copy of each document listed is attached and incorporated into this IDS, except that no copy of any U.S. patent application is included pursuant to 37 C.F.R. §1.98(a)(2)(iii) and except as explained below.

(check the boxes opposite A and/or B and fill in blanks, if appropriate)

☐ A. Document(s) _____ is (are) substantively cumulative to document(s) _____, and, in accordance with 37 C.F.R. §1.98(c), only a copy of each of the latter document(s) is (are) attached.

☐ B. Certain documents were previously cited by or submitted to the Office in the following prior application(s), which are relied upon for an earlier filing date under 35 U.S.C. §120:

[insert serial numbers and filing dates of prior applications]

These documents are identified by attaching hereto copies of the forms PTO-892 and/or PTO-1449 from the files of the prior application(s) and Applicant requests that they be considered and made of record in this application in accordance with 37 C.F.R. §1.98(d). Pursuant to 37 C.F.R. §1.98(d), copies of these documents need not be provided with this IDS.

(check paragraphs 3 and/or 4, if applicable)

[X] 3. Document JP-39-25502 Y1 is not in the English language. In accordance with 37 C.F.R. §§1.98(a)(3), 1.98(c), it is stated that:

[x] English-language abstract of the document listed above is enclosed.

[] English translation(s) of the document(s) _____ (or of the pertinent portions thereof) is (are) enclosed and, thus no concise explanation of their relevance is required, (see M.P.E.P., §609, p. 600-92).

[] English-language equivalent(s) of the document(s) _____ (or of the pertinent portions thereof) which is (are) in fact translation(s) of the document(s) is (are) enclosed.

[] The attached English-language version of a search report or other action by a foreign patent office in a counterpart foreign application _____ which cites document(s) _____ and which indicates the degree of relevance found by the foreign office is submitted to satisfy the requirement for a concise explanation of the relevance of the document(s), (see M.P.E.P., §609, p.600-93).

[] A concise explanation of the relevance of document(s) _____ is set forth as follows:

[insert concise explanation of relevance]

[] A concise explanation of the relevance of document(s) _____ can be found on page(s) _____ of the specification.

[] A concise explanation of the relevance of document(s) _____ can be found on the attached sheet.

[X] 4. Other information being provided for the Examiner's consideration follows:

[X] Copies of the International Search Report mailed 25 January 2005 by the European Patent Office, in counterpart foreign application no. PCT/JP2004/014512 are submitted with this Information Disclosure Statement.

5. In accordance with 37 C.F.R. §§1.97(g), 1.97(h), the filing of this IDS shall not be construed as a representation that a search has been made or as an admission that information cited in this IDS is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b). Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant reserves the right to prove that the date of publication is in fact different.

Title : Battery changing device for automobile

Background

The generator for charging battery on an automobile may have a light load at day time and a heavy load at night time.

If the power source is a permanent magnet type AC generator, a saturable reactor is used to alter the inductance of the AC main winding.

When the capacity of the AC generator becomes large such saturable reactor also need to be larger, which should be solved.

In this UM, especially refer to Fig.1, 1 is magnet type AC generator. 2 and 3 are two set of rotor windings. 4 is battery to be charged.

5 ... daytime load.

6 ... night time load.

7 ... rectifier.

8, 9 ... saturable reactor and

8 is AC main winding and

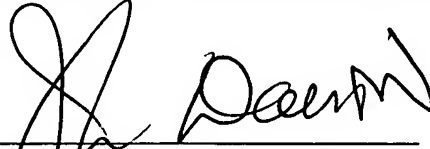
9 is DC control winding.

The AC main winding 8 of the saturable reactor is connected between AC output terminal of one set of the rotor winding in parallel. The DC winding of the reactor is excited by the rectified output voltage to feed the day time load and the battery, which the rectified output is fed to the night lead by a changing switch 14.

6. Please charge any deficiency or other fees or credit any refund or overpayment to Deposit Account No. 01-0035.

Respectfully submitted,

ABELMAN, FRAYNE & SCHWAB

A handwritten signature in black ink, appearing to read "J. David Dainow", is written over a horizontal line.

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